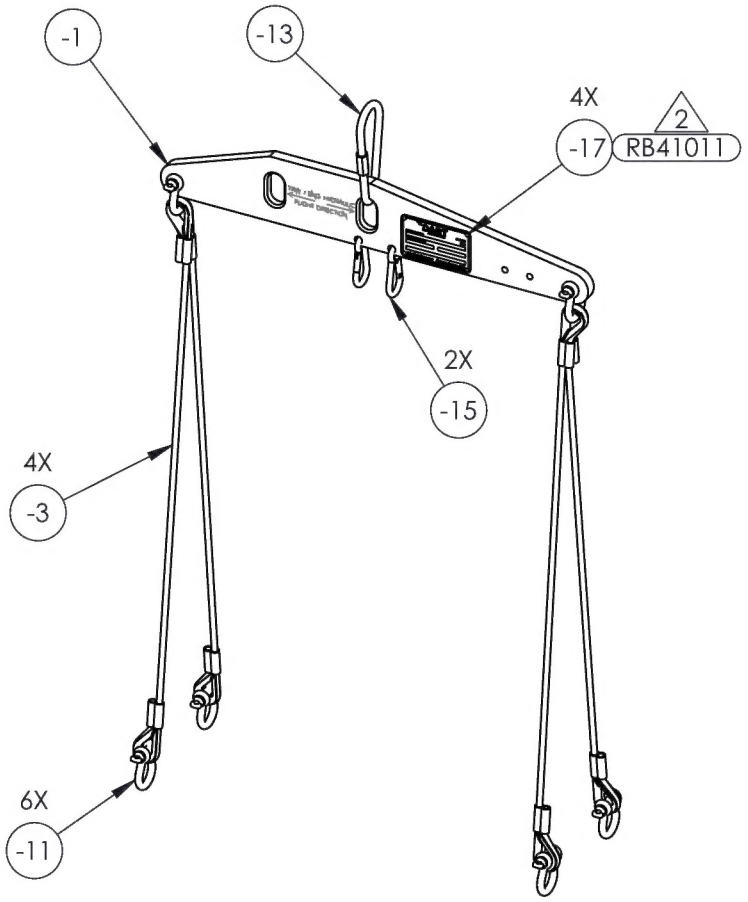
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOPR PRODUCTION.	11/8/2016	RJC	JAG



NOTES:
1. REFERENCE EUROCOPTER T/N 117-45021W40.
2. ENGRAVE WITH T/N, S/N, SWL 1500 N / 337 LBS.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	YOKE	6061		2
	X	B/O	-3	4	CABLE ASSEMBLY		EUGENE EQUIPMENT	3
	1	B/O	-5		WIRE ROPE	S.S.	Ø1/4 X 25 (MCMASTER-CARR #3461T34)	3
	2	B/O	-7		LIFTING THIMBLE	S.S	15/16 X 1-5/8, Ø1/4 CABLE (MCMASTER-CARR #3495T44)	3
	2	B/O	-9		COMPRESSION SLEEVE	S.S.	Ø1/4 ROPE X 1-1/8 (MCMASTER-CARR #3755T17)	3
		B/O	-11	6	5/16" SCREW PIN SHACKLE	STEEL	Ø5/16 THICK (MCMASTER-CARR #3558T46)	1
		B/O	-13	1	CARABINER	STEEL	Ø5/16 X 1-3/8 X 3-5/16 (MCMASTER-CARR #3712T24)	1
		B/O	-15	2	CARABINER	STEEL	Ø5/16 THICK X 1/2 X 2-9/16, 3/8 OPENING (MCMASTER-CARR #3933T14)	1
		B/O	-17	4	#2 DRIVE SCREW	STEEL	#2 X 1/8 (MCMASTER-CARR #90081A074)	1
		B/O		1	DART PLACARD	ALUMINUM	RB41011	1
	ASSY -3							

DART AEROSPACE

TITLE: HYDRAULIC MODULE OR ENGINE LIFTING SLING

DWG NO.: RBE117-45021W40 REV: 1

MAT'L
HEAT TREAT
FINISH
SPEC

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

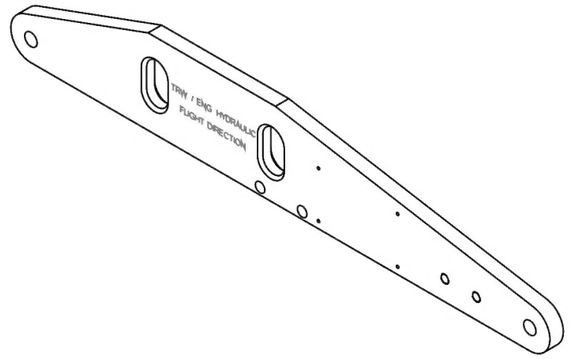
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

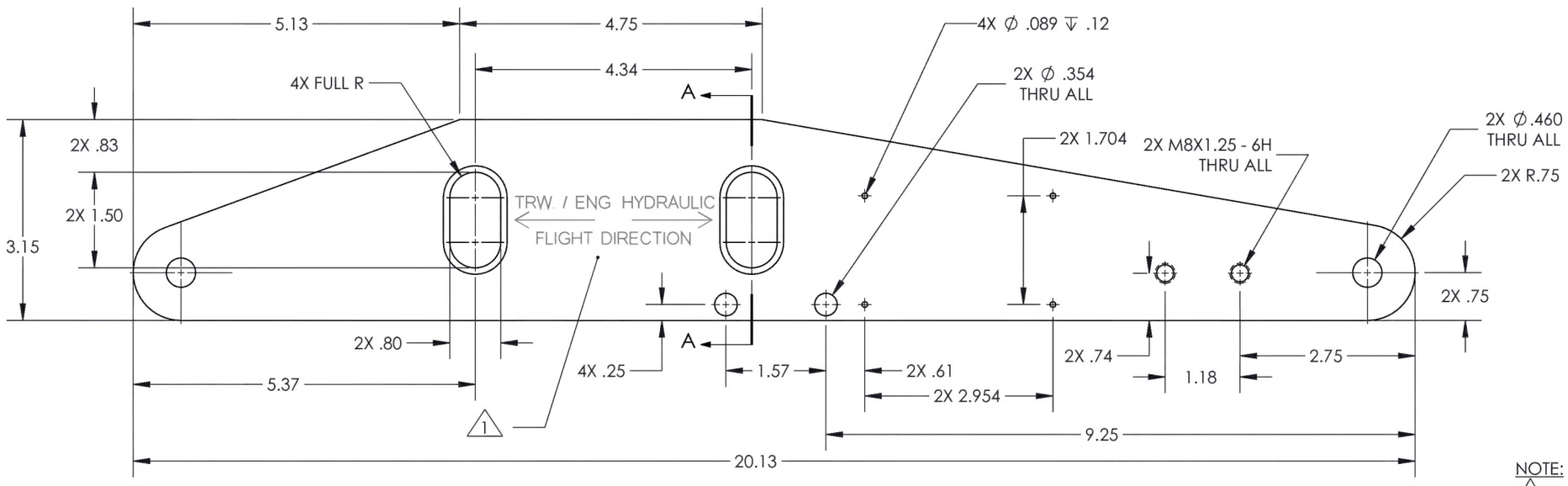
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT

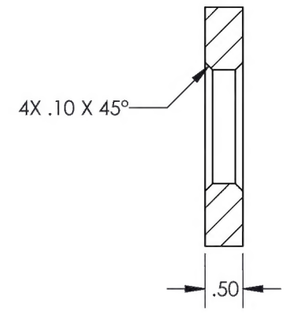
USED ON MODEL: EC 145

SCALE: 1:8 DATE: 10/10/2016 SHEET 1 OF 4

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED







SECTION A-A

(-1)

YOKE

NOTE:

1. USE CAD DATA TO MACHINE ENGRAVE TEXT AND ARROWS, FILL IN WITH BLACK INK.

DART AEROSPACE

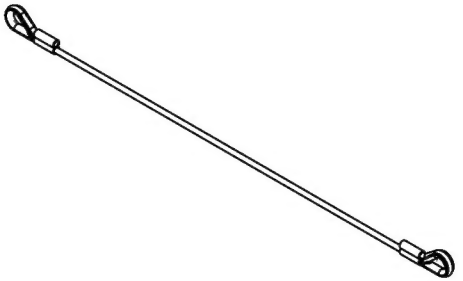
TITLE	HYDRAULIC MODULE OR ENGINE LIFTING SLING
DWG NO.	RBE117-45021W40-1
REV	1
MAT'L	6061
HEAT TREAT	
FINISH	POWDER COAT YELLOW
SPEC	FED #13538
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:2
DATE	8/29/2016
SHEET	2 OF 4

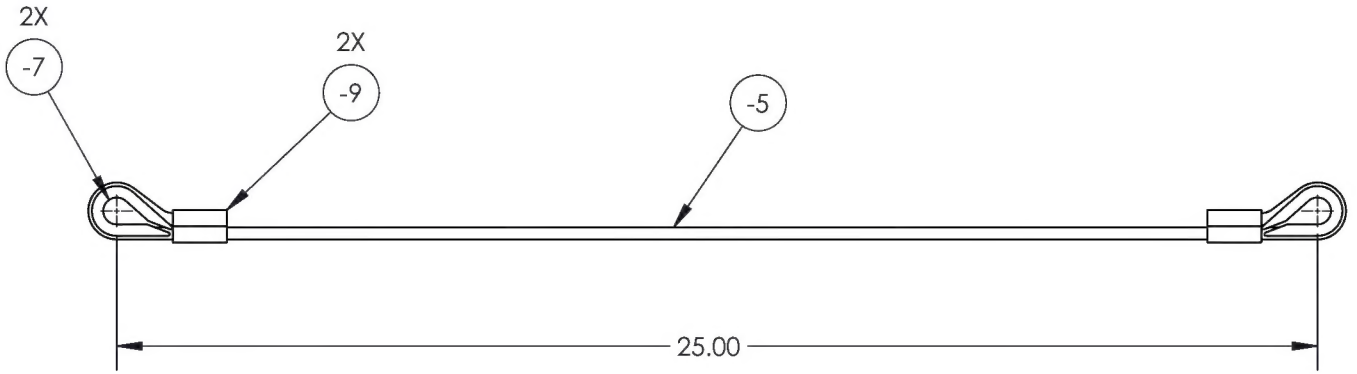
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC145

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED





-3

CABLE ASSEMBLY

DART AEROSPACE

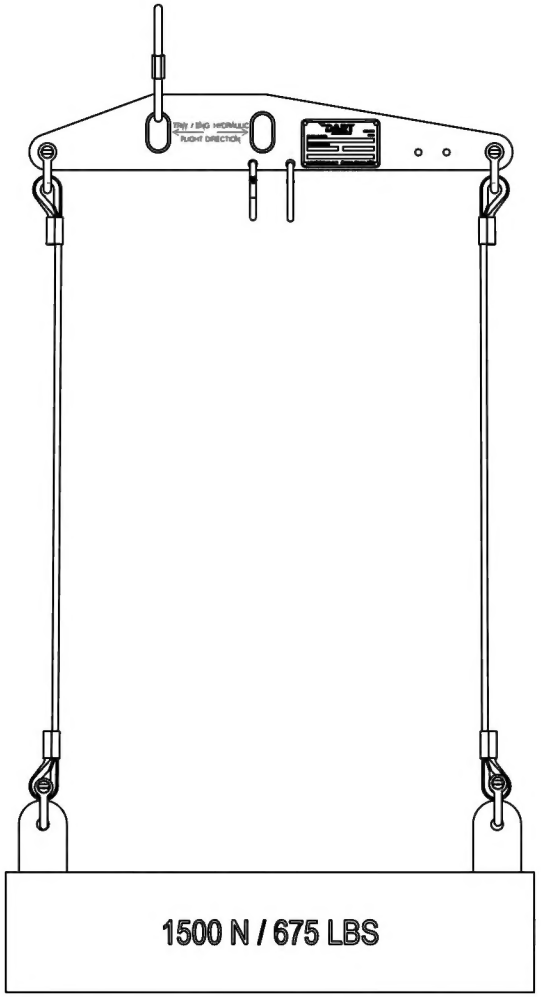
TITLE	HYDRAULIC MODULE OR ENGINE LIFTING SLING
DWG NO.	RBE117-45021W40-3
REV	1
MAT'L	
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:4
DATE	10/10/2016
SHEET	3 OF 4

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC145

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



INSPECTION & TESTING PROCEDURES FOR THE RBE117-45021W40, HYDRAULIC MODULE OR ENGINE SLING. THIS SLING IS DESIGNED FOR HOISTING AND INSTALLING/REMOVING THE EC145 HYDRAULIC MODULE OR ENGINE. THIS SLING ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON AN OVERHEAD LIFTING DEVICE. ATTACH ONE SET OF SLING CABLES TO AN APPROPRIATE TEST WEIGHT OF 1500 N / 675 LBS ON TWO CABLES ONLY.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, DISTORTION OR DAMAGED/FRAYED STRAPS.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, DISTORTIONS OR DAMAGED/FRAYED STRAPS.
4. REPEAT STEPS 1 THROUGH 3 FOR THE OTHER TWO CABLES.

INSPECTOR:_____

TESTER:_____

S.N.:_____

DATE:_____

DART AEROSPACE

TITLE	HYDRAULIC MODULE OR ENGINE LIFTING SLING
DWG NO.	RBE117-45021W40
REV	1
MAT'L	
HEAT TREAT	
FINISH	
SPEC	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:8
DATE	10/10/2016
SHEET	4 OF 4

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC 145